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**Paul Hastings**

**FACSIMILE TRANSMISSION**

<b>from:</b>	<b>facsimile:</b>	<b>telephone:</b>	<b>initials:</b>
Jane K. Babin, Ph.D.	(858) 720-2555	(858) 720-2500/ (858) 720-2677	JKB3
<b>client name:</b> Ligand Pharmaceuticals Incorporated		<b>client matter number:</b>	45026.00096. UTL1
<b>date:</b> June 21, 2004	<b>pages (with cover):</b> 44		

<b>to:</b>	<b>company/office:</b>	<b>facsimile:</b>	<b>telephone:</b>
U.S. Patent and Trademark Office		(703) 872-9306	

**comments:**

**In re Application of:**

Lin Zhi, et al.

**Serial No.: 10/080,926**

Filed: February 22, 2002 .

For: **TRICYCLIC ANDROGEN RECEPTOR  
MODULATOR COMPOUNDS AND  
METHODS**

Group Art Unit: 1625

Examiner: Evelyn Huang

**Attached hereto please find:**

1. Transmittal Form (PTO/SB/21) (1 pg.);
2. Fee Transmittal Form (PTO/SB/17) (1 pg.); and
3. Amendment & Response to Office Action and Petition for Extension of Time (39 pgs); and
4. Notice of Appeal (2 pgs)

PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/060,926
	Filing Date	February 22, 2002
	First Named Inventor	Lin Zhi, et al.
	Art Unit	1625
	Examiner Name	Evelyn Huang
	Attorney Docket Number	45026.00006.UTL1
Total Number of Pages in This Submission		43

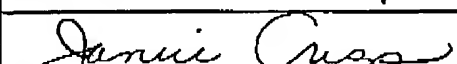
ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Paul, Hastings, Janofsky & Walker, LLP.		
Signature	Jerré K. Babin, Ph.D., Esq.		
Date	June 21, 2004		

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	JANICE CRISP			
Signature			Date	June 21, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)  
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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 750

## Complete if Known

Application Number 10/080,926  
Filing Date February 22, 2002  
First Named Inventor Lin Zhi, et al.  
Examiner Name Evelyn Huang  
Art Unit 1625  
Attorney Docket No. 45026.00096.UTL

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None  
☒ Deposit Account:  
Deposit Account Number 50-2613  
Deposit Account Name Paul Hastings Janofsky

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) or any underpayment of fee(s)  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$ 0

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Extra Claims Fee below Fee Paid  
Total Claims  -20\*\* =  X  =   
Independent Claims  -3\*\* =  X  =   
Multiple Dependent  =

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 86	2201 43	Independent claims in excess of 3	
1203 290	2203 145	Multiple dependent claim, if not paid	
1204 86	2204 43	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$ 0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	420
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	330
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1480 130	1480 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 750

## SUBMITTED BY

Name (Print/Type) Jane K. Babin, Ph.D., Esq.

Registration No. 47,224

(Complete if applicable)

Telephone 858 720 2677

Signature

Date June 21, 2004

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# OFFICIAL

JUN 22 2004

45026.00096.UTL1  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re the Application of:**

Lin Zhi, et al.

**Serial No.: 10/080,926**

**Filed: February 22, 2002**

**For: TRICYCLIC ANDROGEN RECEPTOR  
MODULATOR COMPOUNDS AND  
METHODS**

**Group Art Unit: 1625**

**Examiner: Evelyn Huang**

**Customer No.: 36183**

**AMENDMENT & RESPONSE TO OFFICE ACTION AND**  
**PETITION FOR EXTENSION OF TIME**

Mail Stop Amendment  
Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

In response to the Office Action mailed January 21, 2004, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 32 of this paper.

**Certificate of Transmission under 37 CFR 1.8**

I hereby certify that this correspondence is being facsimile transmitted (703-872-9306) to the United States Patent and Trademark Office on June 21, 2004.

JANICE CRISP

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Signature \_\_\_\_\_